Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The value of the expression $\sin\theta + \cos\theta$ lies between	
2	The feasible region which can be enclosed within a circle is called	A. Bounded region B. Convex region C. Unbounded region D. None
3	An equation of the form ax + by = k is homogeneous linear equation when	A. b = 0, a = 0 B. a = 0, b ≠ 0 C. b = -0, a ≠ 0 D. a ≠ 0, b ≠ 0, k = 0
4	Question Image	A. 0 B. 1
5	Question Image	
6	xy= 2 is:	A. a constant function B. an identity function C. an improper function D. implicit function
7	For every positive integers n 1+5+9+....+ (4n - 3) is	A. n(2n - 1) B. (2n - 1) C. n - 1 D. n
8	For all points (x,y) on x-axis	A. x is positive B. x is negative C. y = 0 D. y is negative
9	Question Image	A. $2s^2$ B. $2s^3$ C. s^3 D. $3s^3$
10	A bag contains 7 whit, 5 black and 4 rd balls. If two balls are drawn at random from the bag, the probability that they are not of the same color is	A. 73 / 120 B. 83 / 120 C. 67 / 120 D. 43 / 120
11	The position vector of the point P(a, b, c) is	
12	$\sqrt{(-1b)}$ =?	A. b i B. -i b C. b2 D. i√b
13	Question Image	A. 8 B. 1/56 C. 56 D. None of these
14	Question Image	A. an A.P. B. a G.P. C. a H.P. D. None of these
15	Question Image	A. Orthogonal B. Involutary C. Idempotent D. Nilpotent
16	Question Image	
17	For each even natural number n (n^2-1) is divisible by	A. 6 B. 3 C. 4 D. 8
18	Four cards are drawn at random from a pack of 52 playing cards. The probability of getting all the four cars of the same suit is	A. 44/4165 B. 22/4165 C. 11/4165

19	The sum of all even numbers less than 100 is	A. 2450 B. 2352 C. 2272 D. 2468
20	Question Image	